

CLAIMS

What is claimed is:

1. A method of managing a plurality of directory numbers for a mobile station, said plurality of directory numbers including at least a first directory number and a second directory
5 number, said method comprising:

associating said first directory number with an identifier code recognized by said mobile station;

detecting a first request to connect a first incoming call to said first directory number;

transmitting a query to a call control system, said query identifying said first directory
10 number;

receiving a response to said query, said response including said identifier code; and

transmitting a first message to said mobile station, said first message including said identifier code to indicate that said first directory number is being called.

15 2. The method of claim 1, wherein said response further includes an identification of said mobile station.

3. The method of claim 2, further comprising:

said call control system determining said identifier code and said identification of said
20 mobile station based on said first directory number.

4. The method of claim 1, further comprising:

said mobile station providing a user-discernible indication based on said identifier code.

5. The method of claim 1, wherein said call control system includes a service control point (SCP).

6. The method of claim 1, wherein said call control system includes a home location register (HLR).

7. The method of claim 1, wherein said first message is an alert message.

8. The method of claim 1, further comprising:

detecting a second request to connect a second incoming call to said second directory number; and

in response to said second request, transmitting a second message to said mobile station without including said identifier code.

9. A system for managing a plurality of directory numbers for a mobile station, said plurality of directory numbers including at least a first directory number and a second directory number, said system comprising:

a call connection system for connecting calls to said mobile station over an air interface; and

a call control system for controlling said call connection system, said call control system storing an association between said first directory number and an identifier code recognized by said mobile station.

10. The system of claim 9, wherein said call connection system includes a mobile switching center (MSC).

11. The system of claim 10, wherein said MSC is provisioned with at least one trigger to query said call control system in response to a request to connect an incoming call to said first directory number.

12. The system of claim 9, wherein said call control system includes a service control point (SCP).

13. The system of claim 9, wherein said call control system includes a home location register (HLR).

14. A method of managing a plurality of directory numbers for a mobile station, said plurality of directory numbers including at least a first directory number and a second directory number, said method comprising:

associating said first directory number with an identifier code used by said mobile station to indicate call origination from said first directory number;

detecting a request to originate a call from said mobile station to a called party, said request including said identifier code;

transmitting a query to a call control system, said query identifying said identifier code;

receiving a response to said query, said response including said first directory number;

and

routing said call to said called party, such that said first directory number is identified as a calling party number.

15. The method of claim 14, further comprising:

5 a user selecting said first directory number to use for said call to said called party.

16. The method of claim 15, wherein a user selecting said first directory number comprises:

said user dialing a digit string associated with said first directory number.

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17. The method of claim 14, wherein said call control system includes a service control point (SCP).

18. The method of claim 14, wherein said call control system includes a home
15 location register (HLR).